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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/028,778	12/28/2001	Hiroaki Tanaka	GNE463A	4276
466	7590 12/28/2005		EXAMINER	
YOUNG & T	ΓHOMPSON	ERDEM,	ERDEM, FAZLI	
745 SOUTH 2 2ND FLOOR	3RD STREET		ART UNIT	PAPER NUMBER
	I, VA 22202		2826	

Please find below and/or attached an Office communication concerning this application or proceeding.

· 		Application No.	[Applicant(a)	<u>-</u>		
Office Action Summary		Application No.	Applicant(s)			
		10/028,778	TANAKA ET AL.	(m)		
		Examiner	Art Unit			
		Fazli Erdem	2826			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence addr	ess		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this com D (35 U.S.C. § 133).			
Status						
1)🛛	Responsive to communication(s) filed on 11 Oc	<u>ctober 2005</u> .				
2a) <u></u> ☐	This action is FINAL . 2b) This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Disposit	ion of Claims					
5)	Claim(s) 2,4,6,8-11 and 15-53 is/are pending in 4a) Of the above claim(s) is/are withdraw Claim(s) 2,4,8-11 and 15-53 is/are allowed. Claim(s) 6 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or ion Papers The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acceeds the proper and the correction of the	vn from consideration. r election requirement. r. epted or b) □ objected to by the I drawing(s) be held in abeyance. See ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR	` '		
	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action of form PTO	J-152.		
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) ☑ None of: 1. ☑ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
2) Notic 3) Inform	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 10/06/2005.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	52)		

Application/Control Number: 10/028,778

Art Unit: 2826

DETAILED ACTION

Allowable Subject Matter

1. Claims 2, 4, 8-11 and 15-53 allowed.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claim 6 rejected under 35 U.S.C. 102(e) as being anticipated by Kimura et al. (6,632,696)

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding Claim 6 Kimura et al. disclose a manufacturing method of active matrix substrate plate and manufacturing method therefor where in Figs. 53A-53D and in Fig 182 an active matrix substrate having a transparent dielectric plate, thin film transistors Tf arranged of the plate and pixel electrodes 41 arranged on the plate, gate electrodes 12 of TFTs Tf having a

first multilevel structure 10A and 10B, scan lines 11 connected to the corresponding gate electrodes and having a first multilevel conductive structure. In Figs. 53A-53B, this multilevel conductive structure is shown to be a two layers TiN and Al-based conductive structure. However, in paragraphs 278, 300, 317 and 335, the required three layer laminate conductive structure is disclosed. Paragraph 278 specifically points out that the three layer multilevel conductive structure has a layer of Ti in the bottom, Al in the middle and TiN at top. Furthermore, the same paragraphs and Claim 11 disclose that the nitrogen concentration of the TiN film to be at least 25%

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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December 26, 2005

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